BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF SWIMMING POOL AT WARD NO.7, AMRUTHNAGAR, BYATARAYANAPURA ASSEMBLY CONSTITUENCY, BANGALORE

								Rs.	70000000.00
S.No	**DESCRIPTION OF WORK**	**UNIT**	**N**	**L**	**B**	**D**	**QTY**	**RATE**	**AMOUNT**
1	**Earth work** excavation for foundation of buildings, water supply, sanitary lines and **electrical** conduits either in pits or in trenches 1.5m and above in width, in **hard soil not** exceeding 1.5m in depth including dressing the bottom and sides of pits and **trenches**, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification.								
	Footings	Cum	20.00	2.50	2.50	2.50	312.50		
	Compound wall	Cum	2.00	52.00	0.75	0.90	70.20		
	Building footings	Cum	10.00	1.80	1.80	2.50	81.00		
	Main pool	Cum	1.00	38.00	20.00	3.00	2280.00		
	Balancing tank	Cum	1.00	8.00	5.00	3.00	120.00		
	Building wall	Cum	1.00	36.00	0.90	0.90	29.16		
	Basic rate							283.00	
	Area weightage 8%							22.64	
	Total						**2892.86**	**305.64**	**884173.73**
2	Providing sand piles with all leads and lift of 1.5 m. for stabilising foundation after duly making 5 cms. dia holes to a depth of 1.2 to 1.5 m. at 0.5 m c to c and filling with sand and tamping wherever required including cost of materials, labour complete as per specifications(.**sand and 10% cement**)								
	Main pool	Sqm	1.00	38.00	20.00		760.00		
	Balancing tank	Sqm	1.00	8.00	5.00		40.00		
	Basic rate							216.00	
	Area weightage 8%							17.28	
	Total						**800.00**	**233.28**	**186624.00**
3	Providing sand cement bed with 5% cement with all cum leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications.								
	Main pool	Cum	1.00	38.00	20.00		760.00		
	Balancing tank	Cum	1.00	8.00	5.00		40.00		
	Basic rate							3101.00	
	Area weightage 8%							248.08	
	Total						**800.00**	**3349.08**	**2679264.00**
4	Filling available excavated earth (excluding rock) insides of foundations upto plinth in layers not exceeding 20cms. In depth, compacting each deposited layer by ramming after watering with a lead upto 50m. And lift upto 1.5m including cost of all labour complete as per specifications.								
	Footings	Cum	20.00	2.50	2.50	1.60	200.00		
	Compound wall	Cum	2.00	52.00	0.15	0.90	14.04		
	Building footings	Cum	10.00	1.80	1.80	1.60	51.84		
	Building wall	Cum	1.00	36.00	0.15	0.60	3.24		
	Basic rate							127.00	
	Area weightage 8%							10.16	
	Total						**269.12**	**137.16**	**36912.50**
5	Transportation of excavated earth by mechanical means including loading and unloading with a lead of 20 kmtr and dispersing the same as directed.								

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
		Cum		Qty vide I.No.1 (-) It.No.4			2623.74		
	Basic rate							100.00	
	Area weightage 8%							8.00	
	Total						**2623.74**	**108.00**	**283363.92**
6	Providing and filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification.								
	Footings	Cum	20.00	2.50	2.50	0.30	37.50		
	Building footings	Cum	10.00	1.80	1.80	0.30	9.72		
	Main pool	Cum	1.00	38.00	20.00	0.30	228.00		
	Balancing tank	Cum	1.00	8.00	5.00	0.30	12.00		
	Basic rate							2114.00	
	Area weightage 8%							169.12	
	Total						**287.22**	**2283.12**	**655757.73**
7	Providing and laying in position **Plain Cement Concrete of mix 1:3:6** with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.								
	Footings	Cum	20.00	2.50	2.50	0.15	18.75		
	Compound wall	Cum	2.00	52.00	0.75	0.15	11.70		
	Building footings	Cum	10.00	1.80	1.80	0.15	4.86		
	Main pool	Cum	1.00	38.00	20.00	0.15	114.00		
	Balancing tank	Cum	1.00	8.00	5.00	0.15	6.00		
	Building wall	Cum	1.00	36.00	0.90	0.15	4.86		
	Deck area	Cum	1.00	52.00	11.00	0.15	85.80		
	Basic rate							5046.00	
	Area weightage 8%							403.68	
	Total						**245.97**	**5449.68**	**1340457.79**
8	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixedf concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25(for Side Walls and Bottom)								
	Footings	Cum	20.00	2.10	2.10	0.60	52.92		
	Building footings	Cum	10.00	1.80	1.80	0.60	19.44		
	Main pool	Cum	1.00	38.00	20.00	0.60	456.00		
	Balancing tank	Cum	1.00	8.00	5.00	0.60	24.00		
	Retaining wall - Pool	Cum	2.00	36.00	0.30	1.80	38.88		
	Retaining wall - Balancing tank	Cum	2.00	8.00	0.30	3.00	14.40		
	Cross wall	Cum	2.00	5.00	0.30	3.00	9.00		
	Cross wall	Cum	2.00	18.00	0.30	1.80	19.44		
	Gutter	Cum	2.00	36.00	0.75	0.15	8.10		
	Columns	Cum	20.00	0.60	0.60	7.00	50.40		
	Building columns	Cum	10.00	0.60	0.20	7.00	8.40		
	Plinth beam (compound wall)	Cum	2.00	52.00	0.30	0.45	14.04		

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
	Cross beam (compound wall)	Cum	2.00	18.00	0.30	0.45	4.86		
	Building plinth beam	Cum	10.00	5.00	0.30	0.45	6.75		
	Lintel beams	Cum	10.00	5.00	0.20	0.30	3.00		
		Cum	2.00	36.00	0.20	0.30	4.32		
	Roof beams	Cum	10.00	27.00	0.60	1.00	162.00		
	Cross beams	Cum	2.00	52.00	0.30	0.60	18.72		
	Roof concrete	Cum	1.00	52.00	27.00	0.20	280.80		
	Supports for pipeline	Cum	20.00	1.00	1.00	0.60	12.00		
	Roof concrete for balancing tank	Cum	1.00	8.00	5.00	0.20	8.00		
	Beams for balancing tank	Cum	3.00	8.00	0.30	0.45	3.24		
	staircase (Bottom)	Cum	1.00	3.60	0.75	0.60	1.62		
	1st flight	Cum	1.00	4.00	1.80	0.15	1.08		
	2nd flight	Cum	1.00	4.00	1.80	0.15	1.08		
	steps	Cum	25.00	1.80	0.30	0.15	2.03		
	1st floor								
	Columns	Cum	20.00	0.60	0.60	10.00	72.00		
	Internal Beams	Cum	2.00	52.00	0.60	0.30	18.72		
	Cross beam	Cum	2.00	27.00	0.60	0.30	9.72		
	Deck area	Cum	1.00	52.00	11.00	0.15	85.80		
	Basic rate							6046	
	Area weightage 8%							483.72	
	Total						**1410.76**	**6530.20**	**9212512.30**
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as Walls at any thickness, incluidng attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specfiications.								
	Main Pool-Bottom Concrete-Centering all round								
	Up Steam	Sqm	1	18.60	0.60		11.16		
	Down Steam	Sqm	1	18.60	0.60		11.16		
	Sides- Ls & Rs	Sqm	2	36.60	0.60		43.92		
	Side walls-Upstream	Sqm	2	18.60	1.50		55.80		
	Down stream-wall	Sqm	2	18.60	2.30		85.56		
	Sides-Up stream	Sqm	4	36.60	1.80		263.52		
	Balancing tank	Sqm	1	26.00	0.60		15.60		
	Retaining wall	Sqm	1	26.00	3.00		78.00		
		Sqm	1	24.00	3.00		72.00		
	Footing	Sqm	1	30.00	6.00		180.00		
	Basic rate							384.00	
	Area weightage 8%							30.72	
	Total						**816.72**	**414.72**	**338710.12**
10	Providing Ceramic tiles of approved make shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications.of **size 30 x 30 cms 6mm thick**								
	Pool bottom	Sqm	1	36.00	18.00		648.00		
	Pool side walls	Sqm	2	36.00	1.80		129.60		
		Sqm	1	18.00	2.30		41.40		

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
		Sqm	1	18.00	1.50		27.00		
	Gutter	Sqm	2	36.00	0.90		64.80		
	Anuch	Sqm	2	36.00	0.15		10.80		
	cross wall	Sqm	2	18.00	0.15		5.40		
	Bathroom & toilets	Sqm	20	6.00	2.40		288.00		
	Basic rate							1139	
	Area weightage 8%							91.12	
	Total						**1215.00**	**1230.08**	**1494547.20**
11	Providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications.								
	1st flight	Sqm	2	6.50	1.20		15.60		
	2nd flight	Sqm	2	6.50	1.20		15.60		
	Balancing tank	Sqm	1	0.60	3.00		1.80		
	Basic rate							6147.00	
	Area weightage 8%							491.76	
	Total						**33.00**	**6638.76**	**219079.08**
12	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as eper spec ifications and Extra for providing and mixing Waterproofing compound in cement plaster work at one kg per bag or in the proportion recomended by the manufacturers, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications								
	Pool Inside plastering								
	Upstream wall	Sqm	1	18.00		1.50	27.00		
	Downstream wall	Sqm	1	18.00		2.30	41.40		
	Side walls	Sqm	2	36.00		1.60	115.20		
	Bottom	Sqm	1	36.00		18.00	648.00		
	Balancing tank								
	Long wall	Sqm	2	8.00		3.00	48.00		
	Short wall	Sqm	2	5.00		3.00	30.00		
	Balancing tank inside								
	Long wall	Sqm	2	7.40		3.00	44.40		
	Short wall	Sqm	2	5.00		3.00	30.00		
	Basic rate							259.00	
								13.00	
	Sub Total							272.00	
	Area weightage 8%							21.76	
	Total						**984.00**	**293.76**	**289059.84**

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
13	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500								
	Concrete qty						**1410.76**		
						i.e. 1410.76 x110	**155183.05**		
	Basic rate							70675.00	
	Area weightage 8%							5654	
	Total	Tonne				**Say**	**155.18**	**76329.00**	**11844967.02**
14	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing cpmplete as per specification.								
	Deck area	Sqm	1	52.00		11.00	572.00		
	Balance area	Sqm	1	27.00		10.00	270.00		
	Basic rate							1085.00	
	Area weightage 8%							86.8	
	Total						**842.00**	**1171.80**	**986655.6**
15	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size **40x20x20cms** confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications.								
	Change Room & Balancing tank walls								
	F/B	Sqm	2	36.00		3.00	216.00		
	Cross wall	Sqm	8	5.00		3.00	120.00		
	Compound wall	Sqm	1	52.00		5.00	260.00		
	Cross wall	Sqm	2	27.00		5.00	270.00		
	1st floor	Sqm	2	52.00		10.00	1040.00		
	Cross wall	Sqm	2	27.00		10.00	540.00		
	B/w Gym & Batmitun court	Sqm	1	27.00		4.00	108.00		
	Deductions	Sqm							
	W	Sqm	-8	2.50		1.50	-30.00		
	V	Sqm	-16	0.60		0.60	-5.76		
	office room window	Sqm	-2	1.50		1.50	-4.50		
	Entry door	Sqm	-1	3.00		2.10	-6.30		
	1st floor Entry door	Sqm	-1	1.20		2.10	-2.52		
	Basic rate							937.00	
	Area weightage 8%							74.96	
	Total						**2504.92**	**1011.96**	**2534878.8**
16	Providing and constructing granite / trap / basalt Size Stone Masonry in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications								
	for compound wall	Sqm	1	52.00	0.60	0.90	28.08		
	cross wall	Sqm	2	27.00	0.60	0.90	29.16		

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
	Building wall	Sqm	1	36.00	0.60	0.90	19.44		
	Basic rate							4037.00	
	Area weightage 8%							322.96	
	Total						**76.68**	**4359.96**	**334321.7**
17	Providing and removing Centering, shuttering, strutting, propping etc., for **columns**, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.								
	main building	Sqm	20	2.40		7.00	336.00		
	Building columns	Sqm	10	1.60		7.00	112.00		
	1st floor	Sqm	20	2.40		10.00	480.00		
	Basic rate							366.00	
	Area weightage 8%							29.28	
	Total						**928.00**	**395.28**	**366819.8**
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of **beams**, beam haunchings, cantilever girders, bressuemers and lintles exceeding 1 m in depth incluidng cost of all materials, labour complete as per specifications.								
	plinth beam-compound wall	Sqm	4	52.00		0.45	93.60		
	cross wall	Sqm	4	27.00		0.45	48.60		
	building plinth beam	Sqm	4	36.00		0.45	64.80		
	Plinth beam cross walls	Sqm	20	5.00		0.45	45.00		
	Lintel beams	Sqm	4	52.00		0.30	62.40		
	cross wall	Sqm	20	5.00		0.30	30.00		
	Balancing tank roof beam	Sqm	6	5.00		0.60	18.00		
	Balancing tank roof beam	Sqm	6	8.00		0.60	28.80		
	Basic rate							338.00	
	Area weightage 8%							27.04	
	Total						**391.20**	**365.04**	**142803.6**
19	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.50m from Ground level.								
	Balancing tank roof beam	Sqm	1	8.00		5.00	40.00		
	Roof slab	Sqm	1	52.00		27.00	1404.00		
	Roof beam	Sqm	10	27.00		2.60	702.00		
		Sqm	4	52.00		1.20	249.60		
	Basic rate							890	
	Area weightage 8%							71.19	
	Total						**2395.60**	**961.02**	**2302219.5**
20	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge. For **Outside Plastering**								
	for compound wall	Sqm	4	52.00		5.00	1040.00		
	cross wall	Sqm	4	27.00		5.00	540.00		

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
	Building wall	Sqm	2	36.00		3.00	216.00		
	1st floor	Sqm	2	52.00		10.00	1040.00		
	cross wall	Sqm	2	27.00		10.00	540.00		
	B/w Gym & Batmitun court	Sqm	1	27.00		4.00	108.00		
	Deductions								
	W	Sqm	-0.5	8.00	2.50	1.50	-15.00		
	V	Sqm	-0.5	16.00	0.60	0.60	-2.88		
	office room window	Sqm	-0.5	2.00	1.50	1.50	-2.25		
	Entry door	Sqm	-0.5	1.00	3.00	2.10	-3.15		
	1st floor Entry door	Sqm	-0.5	1.00	1.20	2.10	-1.26		
	Basic rate							244.00	
								13.00	
	Sub Total							257.00	
	Area weightage 8%							20.56	
	Total						**3459.46**	**277.56**	**960207.7**
21	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge Providing lime rendering for plastering to wall and ceiling including cost of mate3rials labour curing complete as per specifications. **Internal wall platering**								
	for compound wall	Sqm	4	52.00		5.00	1040.00		
	cross wall	Sqm	4	27.00		5.00	540.00		
	Building wall	Sqm	2	36.00		3.00	216.00		
	1st floor	Sqm	2	52.00		10.00	1040.00		
	cross wall	Sqm	2	27.00		10.00	540.00		
	B/w Gym & Batmitun court	Sqm	1	27.00		4.00	108.00		
	Beams	Sqm	10	27.00		2.60	702.00		
			2	52.00		1.60	166.40		
	Deductions								
	W	Sqm	-0.5	8.00	2.50	1.50	-15.00		
	V	Sqm	-0.5	16.00	0.60	0.60	-2.88		
	office room window	Sqm	-0.5	2.00	1.50	1.50	-2.25		
	Entry door	Sqm	-0.5	1.00	3.00	2.10	-3.15		
	1st floor Entry door	Sqm	-0.5	1.00	1.20	2.10	-1.26		
	Basic rate							284.00	
	Area weightage 8%							22.72	
	Total						**4327.86**	**306.72**	**1327441.2**
22	Providing and laying Hassan Green **Granite flooring for Staircase,** treads and rises using pre polished 20mm thick water cut green Granite Slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing, cutting 3 lline grooves not more than 2mm wide for antiskidding, curing etc., complete.								
	Gutter	Sqm	2.0	36.00		0.45	32.40		
		Sqm	2.0	18.00		0.45	16.20		
	Staircase	Sqm	25.0	1.80		0.45	20.25		
	Landing	Sqm	1.0	1.80		1.80	3.24		
	Basic rate							3987.00	
	Area weightage 8%							318.96	
	Total						**72.09**	**4305.96**	**310416.7**

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
23	Providing Ceramic tiles of approved make shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications.of **size 30 x 30 cms 6mm thick**								
	for Change rooms		1.0	36.00		5.00	180.00		
	Basic rate							1176.00	
	Area weightage 8%							94.08	
	Total						**180.00**	**1270.08**	**228614.4**
24	Providing ACE paint to external walls of approved colour and shade over prime's coat.after brooming & cleaning the surface and applying two coats of ACE paint with cost of all material,labour,lead lift with loading unloading etc.complete as per direction of Engineer in charge of work.(Approved rates)								
	Qty vide It.No.20	Sqm					**3459.46**	**160.00**	**553513.60**
25	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers including cost of all materials cost oif labour and scaffolding etc complete as per the specifications.								
	Qty vide It.No.21 + 27 ceiling	Sqm					5706.42		
	Basic rate							56.00	
	Area weightage 8%							4.48	
	Total						**5706.42**	**60.48**	**345124.3**
26	Providing and applying painting in two coats with **plastic Emulsion paint** of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and as per the directions of the Engineer in charge.**with primer**								
	Qty vide It.No.21 + 27 ceiling	Sqm					5706.42		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						**5706.42**	**97.20**	**554664.0**
27	Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials,labour, curing complete as per specifications.Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3 12mm thick cost of materials complete as per specifications.								
		Sqm	1.0	51.40		26.40	1356.96		
	staircase	Sqm	2.0	6.00		1.80	21.60		
	Basic rate							193.00	
	Area weightage 8%							15.44	
	Total						**1378.56**	**208.44**	**287347.0**

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
28	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.30, I. 9.4) PRED.SR 2012-13**								
		Nos	1.0	2.00			2.00		
	Basic rate							1845	
	Area weightage 3%							55.34	
	Total						**2.00**	**1900.00**	**3800.0**
29	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,)								
	0 to 50 m	Mtrs	2	50			100.00	**306.00**	**30600.00**
30	50 to 100 m	Mtrs	2	50			100.00	**400.00**	**40000.00**
31	100 to 150 m	Mtrs	2	50			100.00	**445.00**	**44500.00**
32	150 to 200 m	Mtrs	2	50			100.00	**470.00**	**47000.00**
33	200 to 250 m	Mtrs	2	50			100.00	**544.00**	**54400.00**
34	250 to 300 m	Mtrs	2	50			100.00	**583.00**	**58300.00**
35	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) **as per corragandam**								
		Mtrs	2	70			140.00	**1325.00**	**185500.00**
36	Providing 250mm dia PVC Pipe 6kg/cm as per specification and direction of the Engineer in Charge of the work								
		Mtrs	2	80			160.00	**754.47**	**120715.20**
37	Providing and fixing 175mm Borewell Cap								
		Mtrs	1	2			2.00	**150.00**	**300.00**
38	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 17.50 HP 40 stage.								
		Nos	1	2			2.00	**44000.00**	**88000.00**

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
39	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. **50 mm dia including Collar Heavy Class**								
		Mtrs	2	350			700.00	415.00	290500.00
40	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 46/ I No. 30-B 4.0 **Sqm mm of 36 strands 0.3mm dia Group -**								
		Mtrs	4	350			1400.00	151.00	211400.00
41	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost)								
		Nos	1	2			2.00	3000.00	6000.00
42	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,								
		Nos	1	2			2.00	285.00	570.00
43	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.P No. 67/ I No. 10(d) **4 core 16 Sqmm KPWD Electrical SR 2007-08**								
	For Borewell	Mtrs	2	30			60.00		
	For Motors	Mtrs	4	15			60.00		
							120.00	**150**	**18000.00**
44	Labour charges for laying of 1.1 K.V class UG cable								
	Qty.same as I.No.52		per length				**120.00**	**8**	**960.00**
45	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR								
		Rmt	2	30			**60.00**	**60**	**3600.00**
46	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class								
		Rmt	2	15			**30.00**	**240.00**	**7200.00**

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
47	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia,								
		Rmt	2	2			4.00	1950	7800.00
48	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete...								
		Nos	2	3			6.00	120	720.00
49	Providing and fixing in position **50mm** nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.								
		Nos	2	1			2.00	1114	2228.00
50	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 93/ I. No. 13.81.3 **PWD SR 2007-08**								
	50mm dia	Nos	2	1			2.00	201.4	402.80
51	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc coomplete								
		Nos	2	1			2.00	80	160.00
52	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications								
		Nos	2	1			2.00	350	700.00
53	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications								
		Nos	2	1			2.00	1000	2000.00
54	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **15HP to 30 HP Star Delta Starter**								
		Nos	2	1			2.00	65700	131400.00
55	Providing and instalation at site of works **P.V.C.Pipes** including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc.,								

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
	for ladies change room	Mtrs	5	25			125.00		
	for gents change room	Mtrs	5	25			125.00		
	Basic rate							235.00	
	Area weightage 8%							18.8	
	Total						**250.00**	**253.80**	**63450.0**
56	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 (P.98/I.13.38 **PWD SR - 2013-14)**								
		Nos	2	2			4.00		
	Basic rate							2575.00	
	Area weightage 8%							206	
	Total						**4.00**	**2781.00**	**11124.0**
57	Providing and laying wooden floor for batmitun court & Gym room using 50x75mm Runners at the intervals of 0.45 both ways using mathi/sal wood with nailing properly fixing to existing roof concrete and above the Runners the planks of teakwood using tung & groove system with necessary chemicals niles. polishing to be made for the teakwood planks. **Approved Rate**								
		Sqm	1	40		27	**1080.00**	**12000**	**12960000.00**
58	Providing and laying 1.35mm pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.. **Approved Rate**								
		Sqm	1	52		30	**1560.00**	**2916**	**4548960.00**
	FILTERATION EQUIPMENTS								
59	Supply, installtion, testing and commissioning of filters Commercial Bobin wound filter with 160mm fiange connection - 157 cumtr/hr Filtration velocity 50m3/SEC. Speed 245m3/Hour Make: 2000 mm DIA/CERTIKIN / Aqua LIX (U.K) directions of the Engineer-In-charge of the work								
		Nos		2			2		
							2	**535000.00**	**1070000.00**
60	Supply, installtion, testing and commissioning of VALVE BATTERY Frontal Valve Assembly 160 mm connections with Valve support and Brackets Filtration velocity 50m3/SEC. Speed 245m3/Hour Make: 2000 mm DIA/CERTIKIN / Aqua LIX (U.K) directions of the Engineer-In-charge of the work								
		Set		2			2		
							2	**215940.00**	**431880.00**
61	Supply, installtion, testing and commissioning of RECIRCULATING PUMPS 10 HP monoblock centrifugal pump 400V 3ph discharge:45 LPS at 13m head suction size:150mm, delivery: 150mm includes 1no standby directions of the Engineer-In-charge of the work								
		Nos		1	3		3		
							3	**74290.00**	**222870.00**

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
62	Supply, installtion, testing and commissioning of FLOOR INLETS bottom inlet for concrete with S.S. screws made of ABS plastic. Max. flow: 10cum/hr 2 inches threaded fitting directions of the Engineer-In-charge of the work								
		Nos		1	50		50		
							50	**875.00**	**43750.00**
63	Supply, installtion, testing and commissioning of GUTTER GRATINGS Made in white, U.V. Stabilized PP. Width: 245mm, Height : 35mm directions of the Engineer-In-charge of the work								
		Nos		2	36		72		
							72	**3060.00**	**220320.00**
64	Supply, installtion, testing and commissioning of MAIN DRAIN GRATING COVER, material : SS 304 500mm x 500mmx6mm thick with slot openings of 6mm directions of the Engineer-In-charge of the work								
		Nos		1	2		2		
							2	**21000.00**	**42000.00**
65	Supply, installtion, testing and commissioning of STAINLESS STEEL PREFILTER 6 inches opening with threaded collar with sight glass, SS sieve, flow:170cum/hr Material: SS 304 directions of the Engineer-In-charge of the work								
		Nos		1	3		3		
							3	**41500.00**	**124500.00**
66	Supply, installtion, testing and commissioning of SUCTION INLETS ABS plastic, 2 inches external DIA glue type Flow:3.5 cum/hr, with threaded cap directions of the Engineer-In-charge of the work								
		Nos		1	50		50		
							50	**875.00**	**43750.00**
67	Supply, installtion, testing and commissioning of STAINLESS STEEL LADDERS made of SS 316 with pipe dia 38mm with non skid steps with embossed finish or checkered finish overflow model No of steps = 3 directions of the Engineer-In-charge of the work								
		Nos		1	2		2		
							2	**51750.00**	**103500.00**
68	No of steps = 4 directions of the Engineer-In-charge of the work								
		Nos		1	2		2		
							2	**55315.00**	**110630.00**
69	No of steps = 5 directions of the Engineer-In-charge of the work								
		Nos		1	2		2		
							2	**66125.00**	**132250.00**
70	Supply, installtion, testing and commissioning of MAINTENANCE KIT COMPRISING OF: a) LEAFE RAKE Deep bag net made in polypropylene and polyester netting butterfly nut connection directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	**2000.00**	**2000.00**
71	Curved brushes made in polypropylene for pool basins and scum liners directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	**2400.00**	**2400.00**

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
72	Straight brushes made in polypropylene for pool basins and scum liners directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	2400.00	2400.00
73	Reinforced aluminium telescopic handle 2.4/4.8m with clip connection directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	4400.00	4400.00
74	Metallic Anodized Aluminium Vacuum head directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	19700.00	19700.00
75	Extensible handles for cleaning attachments in anodized aluminium which can be adapted to the entire range of cleaning equipment, brushes, leaf skimmers and scoops 10m long directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	4370.00	4370.00
76	Transparent blue plastic vacuum hose 11/2" dia 30mtr slong including hose cuffs for connection to suction inlets directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	7100.00	7100.00
77	Supply, installtion, testing and commissioning of TEST KIT for checking free Chlorine & pHTablet type DPD directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	1650.00	1650.00
78	Supply, installtion, testing and commissioning of POOL CLEANER trolly mounted with 1.5 Hp self priming pump with prefillter, starter and 63mm flexible hose directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	49000.00	49000.00
79	Supply, installtion, testing and commissioning of LANE SEPERATOR ROPES directions of the Engineer-In-charge of the work								
		Nos		1	6		6		
							6	38500.00	231000.00
80	Supply, installtion, testing and commissioning of ANCHOR HOOKS STAINLESS STEEL fixed to end walls for lane ropes directions of the Engineer-In-charge of the work								
		Nos		2	6		12		
							12	3300.00	39600.00
81	Supply, installtion, testing and commissioning of CONTRL PANNEL WIRING, floor mounted CP, Control of Mtrs, volts meter, 3 Phase indicater System, Change over shutter, ELCB, MCB, Pump, coverage to each indicator relay, cable and conduit with pump engineers specification directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	100000.00	100000.00

S.No	DESCRIPTION OF WORK	UNIT	N	L	B	D	QTY	RATE	AMOUNT
82	Supply, installtion, testing and commissioning of GAS CHLORINATION SYSTEM vacuum type cylinder mounted gas (DCM) chlorinator capacity 0-500 gms/hr, chlorination system consisting of filter Assembly, Vacuum Regulator, flow meter assembly, control valve assembly, injector assembly including booster pump assembly and piping complete directions of the Engineer-In-charge of the work								
		Nos		1	1		1		
							1	327750.00	327750.00
83	Supply, installtion, testing and commissioning of BUTTERFLY VALVES Wafer type PN 10 STD,replacable EPDM sleeve CI body with SS316 disc a) 10 INCHES directions of the Engineer-In-charge of the work								
		Nos		1	2		2		
							2	26220	52440.00
84	Supply, installtion, testing and commissioning of NON RETURN VALVES Material: gun metal Size: 8 inches directions of the Engineer-In-charge of the work								
		Nos		1	2		2		
							2	19700.00	39400.00
85	Supply, installtion, testing and commissioning of UPVC PIPES a) 400 MM DIA 6 KG/SQCM directions of the Engineer-In-charge of the work								
	From Pumping filters to Inlet	M	1	32.00			32.00		
	Suction pipe main to pump house	M	1	15.00			15.00		
	From filters to pump	M	1	15.00			15.00		
	From Gutter to Balancing tank	M	2	15.00			15.00		
							77.00	4900.00	377300.00
86	d) 63 MM DIA 10KG/SQCM directions of the Engineer-In-charge of the work								
	Inlets	M	7	7.00			49.00		
							49.00	260.00	12740.00
87	e) 160 MM DIA 6 KG/SQCM directions of the Engineer-In-charge of the work								
	Inlets of Main pool	M	7	18.00			126.00		
	For Pumping	M	2	6.00			12.00		
	From pump to filters	M	2	15.00			30.00		
	Back washing line	M	1	52.00			52.00		
							220.00	2000	440000.00
88	Supply, installtion, testing and commissioning of UPVC ELBOW 6 KG/SQCM a) 200 MM directions of the Engineer-In-charge of the work								
		Nos		5	2		10		
							10	4025.00	40250.00
89	c) 400 MM directions of the Engineer-In-charge of the work								
	1 No at Inlet pipe pumping and 2 Nos at Suction pipe elbow to pump house								
		Nos		3	3		9		
							9	26800.00	241200.00
90	e)160 MM directions of the Engineer-In-charge of the work								
	Elbows for inlets 7 Nos + for outlets 3	Nos		7	4		28		